

## Table ENG-2. - Construction Materials

Westmoreland County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Ackwater	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Too acid	0.60
		Too acid	0.50	Depth to saturated zone	0.76	Depth to saturated zone	0.76
Emporia		Not Rated		Not Rated		Not Rated	
Montross		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
1B:							
Ackwater	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Too acid	0.60
		Too acid	0.50	Depth to saturated zone	0.76	Depth to saturated zone	0.76
Emporia		Not Rated		Not Rated		Not Rated	
Montross		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
2:							
Bibb	50	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88			Too acid	0.60
Levy	30	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.00	Low strength	0.00	Sodium content	0.00
		Too acid	0.12	Shrink-swell	0.13	Too Clayey	0.00
Bohicket		Not Rated		Not Rated		Not Rated	
Catpoint		Not Rated		Not Rated		Not Rated	
Rappahannock		Not Rated		Not Rated		Not Rated	

3:

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3:							
Bohicket	85	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated	0.00	Depth to saturated	0.00
		Too clayey	0.00	zone		zone	
		Salinity	0.50	Low strength	0.00	Sodium content	0.00
				Shrink-swell	0.13	Salinity	0.00
Rappahannock		Not Rated		Not Rated		Not Rated	
4:							
Bojac	80	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.92
		Low content of organic matter	0.13				
		Too acid	0.39				
Pamunkey		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
5B:							
Catpoint	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Hard to reclaim	0.00
		Low content of organic matter	0.13				
Bojac		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
6B:							
Emporia	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.91	Too acid	0.98
		Too acid	0.54				
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
7A:							
Kempsville	75	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
Emporia		Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7A:							
Savannah		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
7B:							
Kempsville	70	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
Emporia		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
8:							
Leaf	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50	Shrink-swell	0.13	Too acid	0.60
Lenoir		Not Rated		Not Rated		Not Rated	
Lumbee		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
9:							
Lenoir	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.50	Shrink-swell	0.87	Too acid	0.60
Leaf		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
10:							
Lumbee	85	Fair		Poor		Poor	
		Low content of organic matter	0.02	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.88
		Droughty	>0.99				
Bibb		Not Rated		Not Rated		Not Rated	
Leaf		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11A:							
Montross	90	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.19
		Too clayey	0.32	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.50	Shrink-swell	0.96	Too acid	0.60
Ackwater		Not Rated		Not Rated		Not Rated	
11B:							
Montross	85	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.19
		Too clayey	0.32	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.50	Shrink-swell	0.96	Too acid	0.60
Ackwater		Not Rated		Not Rated		Not Rated	
12:							
Nansemond	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
13:							
Pamunkey	90	Fair		Good		Good	
		Low content of organic matter	0.13				
Bojac		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
14:							
Pits	100	Not Rated		Not Rated		Not Rated	
15:							
Rappahannock	85	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Salinity	0.97	Low strength	0.00	Sodium content	0.00
						Content of organic matter	0.00
Bohicket		Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15: Pamunkey		Not Rated		Not Rated		Not Rated	
16B: Rumford	80	Fair Low content of organic matter Too acid Too sandy	0.13 0.50 >0.99	Good		Fair Too acid Too sandy	0.76 >0.99
Nansemond		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
17E: Rumford	75	Poor Wind erosion Low content of organic matter Too acid	0.00 0.13 0.50	Poor Slope	0.00	Poor Slope Too acid Too sandy	0.00 0.76 >0.99
Ackwater		Not Rated		Not Rated		Not Rated	
Bibb		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
18D: Rumford	45	Poor Wind erosion Low content of organic matter Too acid	0.00 0.13 0.50	Good		Fair Slope Too acid Too sandy	0.63 0.76 >0.99
Tetotum	30	Fair Low content of organic matter Too acid	0.13 0.50	Fair Depth to saturated zone	0.53	Fair Depth to saturated zone Too acid Slope	0.53 0.60 0.63
Ackwater		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	

19A:

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19A:							
Savannah	85	Poor		Poor		Poor	
		Depth to cemented pan	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Droughty	0.16			Depth to saturated zone	0.76
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
19B:							
Savannah	85	Poor		Poor		Poor	
		Depth to cemented pan	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Droughty	0.16			Depth to saturated zone	0.76
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
20A:							
State	90	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too acid	0.60
		Too acid	0.50				
Rumford		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
20B:							
State	90	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too acid	0.60
		Too acid	0.50				
Rumford		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
21A:							
Suffolk	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				
Emporia		Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21A:							
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
21B:							
Suffolk	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
22A:							
Tetotum	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
Lumbee		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
22B:							
Tetotum	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
23A:							

**Table ENG-2. - Construction Materials - Continued**

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23A:							
Turbeville	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too Clayey	0.36
		Too acid	0.32			Too acid	0.88
		Too clayey	0.50				
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
23B:							
Turbeville	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too Clayey	0.36
		Too acid	0.32			Too acid	0.88
		Too clayey	0.50				
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
23C:							
Turbeville	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too Clayey	0.36
		Too acid	0.32			Too acid	0.88
		Too clayey	0.50				
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	